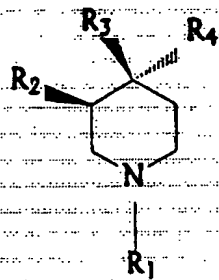


**ABSTRACT OF THE DISCLOSURE**

The present invention provides a novel class of compounds. The compounds are inhibitors of dopamine transporter and therefore are useful in the treatment of disorders related to dopamine transporter activity. One aspect of the present invention

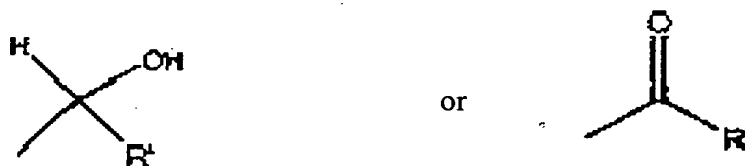
5 provides a class of compounds of formula (I):



(I)

wherein  $R_1$  is an alkyl, aryl, alkyl-aryl, aromatic ring containing one or more hetero atoms;  $R_2$  is an alkyl, aryl, aromatic ring containing one or more hetero atoms, ketone,

10 hydroxyl, alcohol, aldehyde, ester, acid, amide group, or



wherein  $R'$  is a phenyl ring optionally substituted with one or more halogens or one or more saturated or unsaturated alkyl (C1-5) group, or aromatic ring with one or more hetero atoms optionally substituted with one or more halogens or one or more

15 saturated or unsaturated alkyl (C1-5) group;  $R_3$  is F, Cl, Br, I, OH,  $OR'$ , or  $OC=OR'$ , wherein  $R'$  is an alkyl, aryl, aromatic ring containing one or more hetero atoms, or a -O- bond with  $R_2$  when  $R_2$  is hydroxyl or alcohol;  $R_4$  is an alkyl, aryl, alkyl-aryl; aromatic ring containing one or more hetero atoms, hydroxyl, alcohol, aldehyde, ester, acid, amide group.